

terra **S**<sup>®</sup>



# Product catalogue

**Gartenprofil 3000 / Gartenprofil PRO**

Lawn, path and flower bed edging

**NEW!**

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# Perfect edging made easy

## Gartenprofil 3000 Gartenprofil PRO

- flexible
- weatherproof
- long lasting
- stable

## Boundless possibilities

### Ideal edging for high-value garden design

Gartenprofil 3000 and Gartenprofil PRO by terra-S are versatile products for edging gardens, lawns and flower beds. When used as path edging, the Gartenprofil products provide the needed lateral support. Also, when used to edge ponds, reinforce slopes or edge terraces, the metal edging provides stability and ensures a clean border.

Materials such as lawn, soil, stones and gravel are cleanly separated from each other. The profiles form an effective root barrier and stop weeds and grass from growing out of hand. The work-intensive cutting of the lawn edges is no longer necessary and the garden is easier to maintain. On top of that, the edging makes it possible to water your garden with precision and efficiency. The profiles keep the water at the plant and it seeps precisely in the root zone. Another advantage: The profiles are flexible and individually shaped edgings can be realized without any problems.

The high product quality and the easy installation make Gartenprofil 3000 and PRO unique and outstanding.

## Materials

Gartenprofil 3000 and Gartenprofil PRO are available in different materials. Depending on the application and personal taste one of the following materials is selected.

### Stainless steel 1.4016 (chrome steel)

3000-S. Our standard stainless steel. Suitable due to its high strength as a path edging, for garden and gravel beds, at terraces and for slope reinforcement. Very good flexibility.

### Stainless steel 1.4301 (chrome-nickel steel)

3000-W. Due to the very good corrosion resistance and durability, this stainless steel is used for edging ponds, pools, and anywhere else where a lot of fertilizer or salt (e.g. in winter at public areas) are used.

### Galvanized steel

3000-Z. Galvanizing is a surface treatment in which steel is immersed in a zinc bath. Galvanizing makes the profiles robust and weather-resistant.

### Corten steel

3000-CT. Patina look for a modern garden design. Corten steel is a very weather-resistant structural steel, which after a short time gets a thin layer of rust on the surface. On delivery it is medium gray. The typical rust staining sets colorful accents in green areas. This steel is also used in protected parks.

### Aluminium

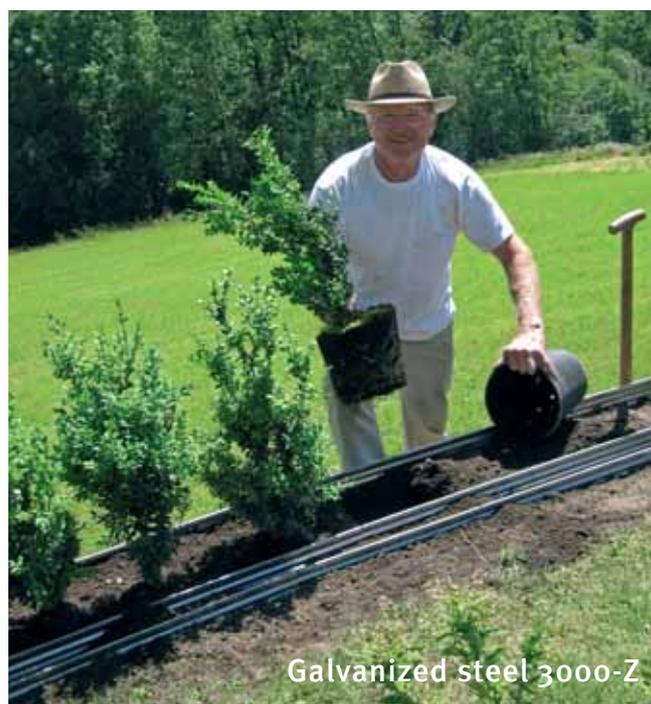
3000-AL. Aluminium is a lightweight metal, so the profiles are easy to handle. Well suited are the aluminum profiles for new garden installations and slightly curved shapes.



Stainless steel 3000-S



Corten steel 3000-CT



Galvanized steel 3000-Z

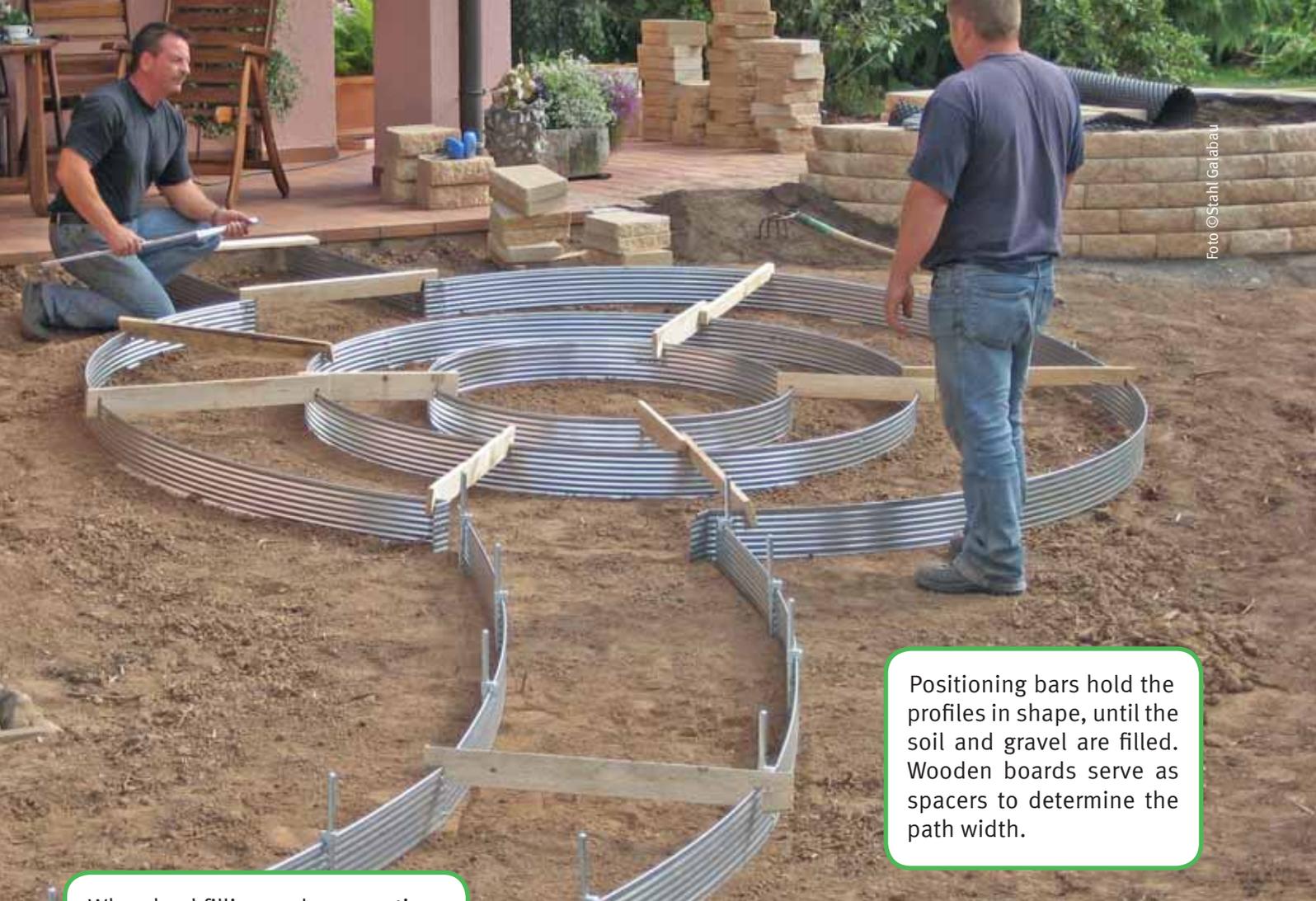


Foto © Stahl Galabau

Positioning bars hold the profiles in shape, until the soil and gravel are filled. Wooden boards serve as spacers to determine the path width.

When backfilling and compacting, care should be taken to ensure that this happens simultaneously on both sides of the profile, so that it does not bulge or is displaced laterally.

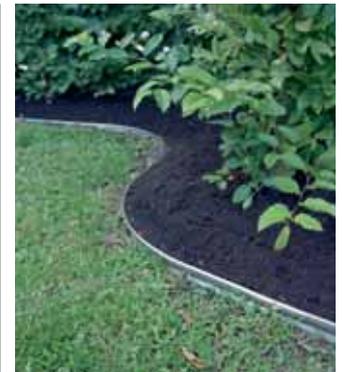


Function meets design

**Product features**

**Flexibility for individual edgings**

Gartenprofil 3000 and Gartenprofil PRO are flexible. You can design your edging according to your own wishes. The profiles are bendable from a length of 180 cm. The longer the profile and the lower its height, the easier it is to bend it into a curved shape. Depending on the material and height, a radius of up to 50 cm is possible. For curved shapes we recommend using profiles 240 cm long and connection plates to reinforce the screw connection.



**Rounded upper edge for safety**

All profiles feature a rounded upper edge 10 mm wide in order to avoid injuries. Thanks to the rounded top, Gartenprofil 3000 and Gartenprofil PRO are ideal solutions for gardens where children play.



Gartenprofil 3000



Gartenprofil PRO

**Corrugation for stability**

Gartenprofil 3000 is corrugated all the way through, giving the profiles very high stability. In addition, the transverse grooves ensure that the profiles sit in the ground firmly and solidly. The corrugated shape helps anchor the metal edges in the soil.

Gartenprofil PRO is only corrugated in the lower part of the profile, about 5 cm high, for stability and a firm anchoring in the ground. The upper visible part of the edging has a smooth, flat surface.

If required, the profiles can also be stabilised with ground anchors or individual or strip footings.

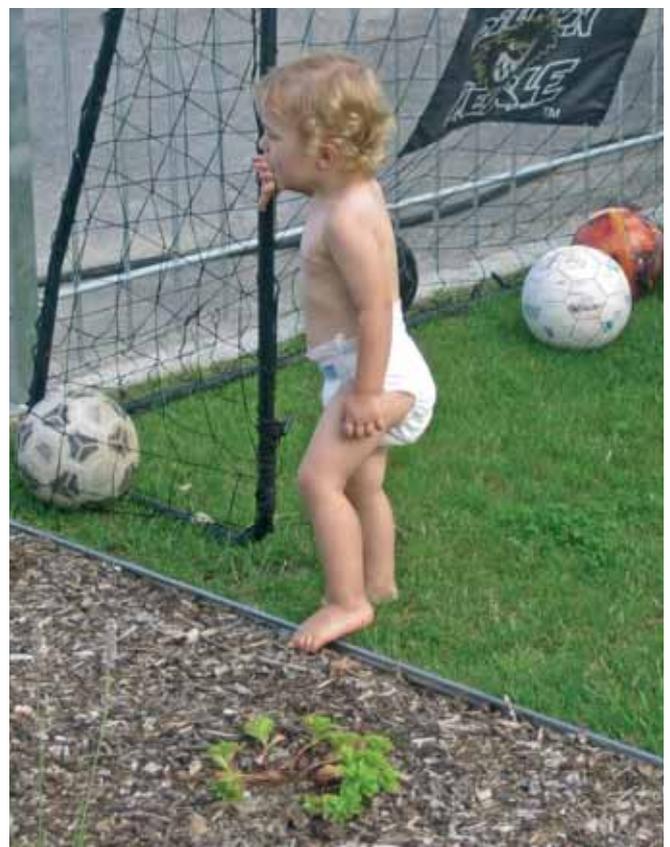
**Seamless connection**

The individual profiles are overlapped and seamlessly screwed together. Screws and nuts are included with each profile in the required quantity.

The overlap is 2 cm. A straight profile with a length of 240 cm thus has a real length of 238 cm after being connected to another profile.



seamless connection



safe design - rounded top prevents injuries



Private garden

Garden design  
excitingly charming



## Overview Gartenprofil 3000

		straight profiles profile length in mm					semi-circular profiles diameter in mm			quater-circular profiles diameter in mm		corner profiles 90°		end profiles
material	profile height	300	800	1200	1800	2400	500	750	1150	1500	2250	outer corner	inner corner	right and left
3000-S	100 mm			X		X						X	X	
	150 mm	X	X	X	X	X	X	X	X	X	X	X	X	X
	200 mm					X						X	X	
	300 mm	X	X	X	X	X	X	X	X	X	X	X	X	X
3000-W	150 mm					X						X	X	
	300 mm					X						X	X	
	90/60 mm					X						X	X	
3000-Z	100 mm					X						X	X	
	150 mm	X	X	X	X	X	X	X	X	X	X	X	X	
	200 mm					X						X	X	
	300 mm					X						X	X	
	90/60 mm					X						X	X	
	130/70 mm					X						X	X	
3000-CT	100 mm					X						X	X	
	150 mm					X	X	X	X	X	X	X	X	
	200 mm					X						X	X	
	90/60 mm					X						X	X	
3000-AL	100 mm					X						X	X	
	150 mm					X						X	X	



## Overview Gartenprofil PRO

		straight profiles profile length in mm					semi-circular profiles diameter in mm			quater-circular profiles diameter in mm		corner profiles 90°		end profiles
material	profile height	300	800	1200	1800	2400	500	750	1150	1500	2250	outer corner	inner corner	right and left
3000-S	150 mm					X						X	X	
3000-Z	150 mm					X						X	X	
3000-CT	150 mm					X						X	X	

### Materials

3000-S	Stainless steel 1.4016 (chrome steel)
3000-W	Stainless steel 1.4301 (chrome-nickel steel)
3000-Z	Galvanized steel
3000-CT	Corten steel
3000-AL	Aluminium

### Technical specifications

Upper edge	Width 10 mm, rounded
Overlap	Length 2 cm
Screws	Lid head screws M6 x 16
Nuts	Hexagon nuts M6, wrench size 10
Hole punching	Diameter 8 mm
Corrugation	+/- 2mm

# Gartenprofil PRO

## Modern appearance, stable design

Gartenprofil PRO is an edging solution for gardens, pavement and pathways. The upper visible part of the edging has a smooth, flat surface. Meanwhile, the lower part, about 5 cm high, is corrugated for stability and secure anchoring in soil. All profiles feature a rounded top edge 10 mm wide in order to avoid injuries. Gartenprofil PRO is available in a height of 15 cm, in stainless steel, galvanized steel and corten steel.

**Gartenprofil PRO**

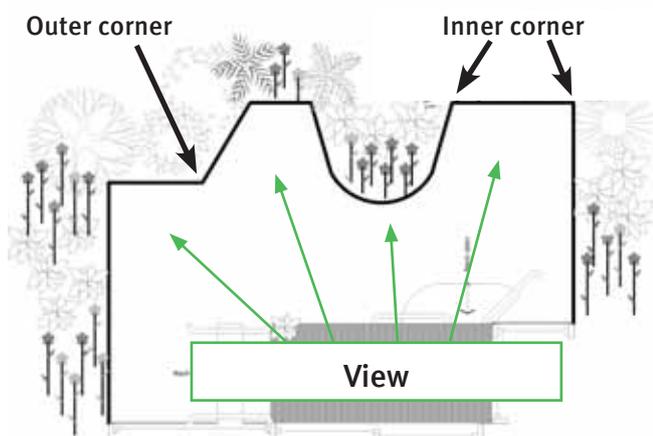
Gartenprofil PRO is an edging solution for lawn, flower beds, pavement and pathways. The upper visible part of the edging has a smooth, flat surface, giving the profiles a modern purist look. Meanwhile, the lower part, about 5 cm high, is corrugated. The transverse grooves ensure a high stability of the profiles themselves, and provide for a secure anchoring in soil. Gartenprofil PRO is available in a profile height of 150 mm in stainless steel, galvanized steel and corten steel.

**Straight profile PRO**

Gartenprofil PRO straight profiles are available with a standard length of 240 cm in stainless steel, galvanized steel and corten steel. The profile height is 150 mm. The top edge is rounded to protect against injuries. The flexible profiles can also be installed in curved shapes with radii greater than 50 cm. When bending straight profiles, please use connection plates to reinforce the screw connection. Gartenprofil PRO blends in particularly well with the current trend towards large panels for terrace paving, which expressly calls for clear shapes to produce a high-quality appearance. If required, the profiles can also be stabilised with ground anchors or individual or strip footings.

**Corner profile PRO**

90-degree corner profiles PRO have a side length of 80/80 mm. There are inner and outer corners. Outer corners form protruding corners, inner corners form a bay. To make a rectangular edging, four similar corner profiles are needed.



Gartenprofil PRO is flexible, meaning that you can design your garden the way you want it. The 240 cm profiles can be bent into a curved shape. Depending on the material, radii of up to 50 cm are possible. For curved shapes, we recommend using connection plates to strengthen the screw connection. All profiles feature a rounded upper edge 10 mm wide in order to avoid injuries. Thanks to the rounded top, the profiles are an ideal solution for gardens where children play.



Galvanized steel



Corten steel

**Straight profile PRO:**

- 3000-S: Height 150 mm
- 3000-Z: Height 150 mm
- 3000-CT: Height 150 mm



Inner corner, galvanized



Inner corner, corten steel



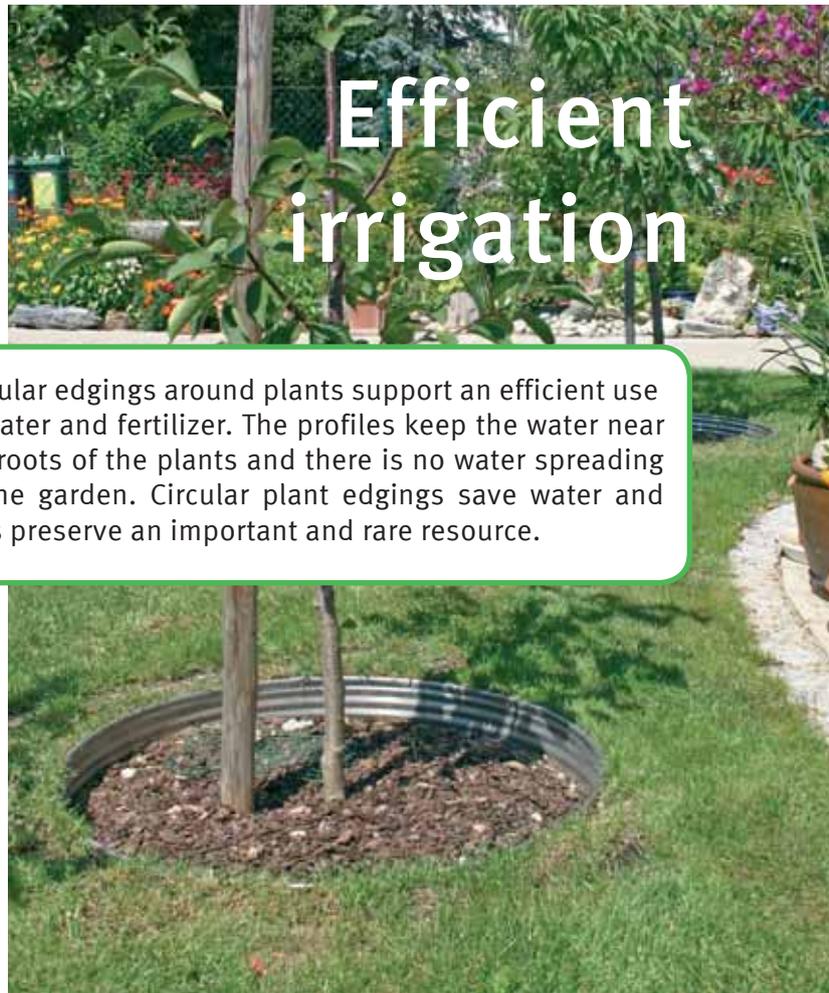
Outer corner, galvanized



Outer corner, corten steel

**Corner profile PRO:**

- 3000-S: Height 150 mm
- 3000-Z: Height 150 mm
- 3000-CT: Height 150 mm



## Efficient irrigation

Circular edgings around plants support an efficient use of water and fertilizer. The profiles keep the water near the roots of the plants and there is no water spreading in the garden. Circular plant edgings save water and thus preserve an important and rare resource.

### Straight profile

Gartenprofil 3000 straight profiles are an ideal solution for straight and slightly curved edgings of flower beds, paths and lawn. The profiles are also very well suited as pond edging and slope reinforcement.

Straight profiles are flexible from a length of 180 cm. Depending on the material and profile height, the standard length of 240 cm can be installed in curved shapes with a radius larger than 50-80 cm. We recommend to use connection plates to reinforce the screw connection when installing straight profiles in curved shapes.

All of the straight profiles have a rounded upper edge (profile height 10 cm, 15 cm, 20 cm), respectively a rounded upper and lower edge (profile height 30 cm).

Straight profiles are available in different materials and profile heights. Materials are stainless steel, galvanized steel, corten steel and aluminum. The profile heights of 10, 15, 20 und 30 cm can be combined with each other.



Stainless steel



Corten steel

3000-S:	Height 100 / 150 / 200 / 300 mm
3000-W:	Height 150 / 300 mm
3000-Z:	Height 100 / 150 / 200 / 300 mm
3000-AL:	Height 100 / 150 mm
3000-CT:	Height 100 / 150 / 200 mm

### Semi-circular / Quater-circular profile

The pre-shaped circular profiles can be used to edge bushes or trees, or to border round and oval-shaped flower beds. The installation of the profiles is possible even if your garden has been laid out a long time ago.

Circular edgings around plants make an efficient use of water and fertilizer possible. The profiles keep the water precisely near the roots of the plants and there is no water spreading in the garden. Circular plant edgings save water and thus preserve an important and rare resource.

In order to make a circular edging you need either two semi-circular or four quater-circular profiles in the favored diameter. The pre-shaped profiles can be combined with all other profiles as well. The quater-circular profiles can also be used to form „round“ corners in your garden.

Semi-circular and quater-circular profiles have a rounded upper edge (profile height 15 cm), respectively a rounded upper and lower edge (profile height 30 cm).

The pre-shaped profiles are available in stainless steel (chrome steel), galvanized steel and corten steel.



Stainless steel



Corten steel

3000-S:	Height 150 mm / 300 mm
3000-Z:	Height 150 mm
3000-CT:	Height 150 mm

Diameter semi-circular profile:	50 / 75 / 115 cm
Diameter quater-circular profile:	150 / 225 cm

### L-profile (angular profile)

The L-profile is ideal for pavement and natural stone surfaces, roof gardens and road construction. It is available in galvanized steel, stainless steel (chrome-nickel steel) and corten steel. L-profiles have a vertical/horizontal face of either 90/60 mm or 130/70 mm. The upper edge of the vertical face is rounded to protect against injuries. The standard length of the profiles is 240cm.

The horizontal face of each profile has 13 trapezoidal surfaces. The profiles can be fixated with pins in the ground or with dowels in a concrete fundament. Due to the notches in the horizontal face the L-profiles are flexible and can be installed in curved shapes with radii larger than 150 cm.



Galvanized steel



Corten steel

3000-W:	height/width	90/60 mm
3000-Z:	height/width	90/60 mm, 130/70 mm
3000-CT:	height/width	90/60 mm

# Stylish highlight Edgings for pathways

Ways are particularly evident when the borders are clearly limited. Gartenprofil 3000 ensures a clear separation between the pathway and the paving surface or planting area. In addition, the profiles prevent the paving from shifting laterally.



## End profile

End profiles are rounded, oblique end pieces. The end profiles are only available in chrome steel (stainless steel 1.4016).

	Downside length of the profiles	
	End profile left	End profile right
Height 150 mm	125 mm	145 mm
Height 300 mm	200 mm	225 mm



End profile left



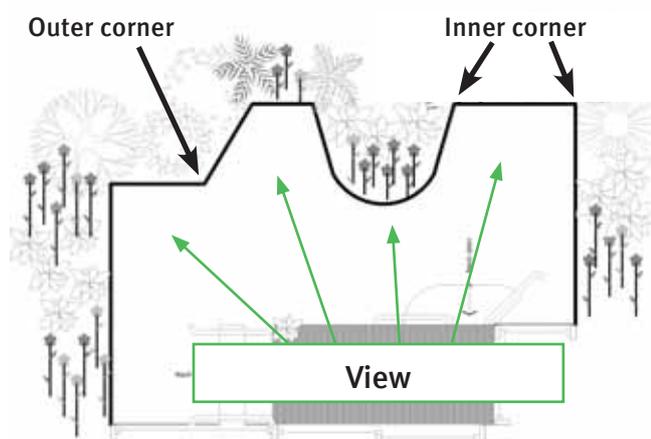
End profile right

3000-S: Height 150 / 300 mm

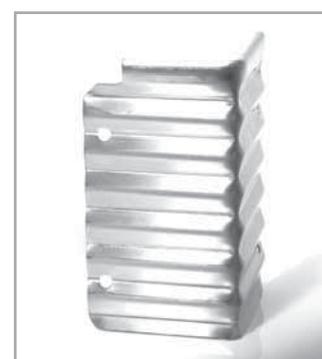
## Corner profile

90-degree corner profiles have a side length of 80/80mm. There are inner and outer corners. They are available to fit standard profiles and the L-profile in all materials and heights.

Outer corners form protruding corners, inner corners form a bay. To make a rectangular edging, four similar corner profiles are needed.



Inner corner



Outer corner

### Corner profiles standard

3000-S: Height 100 / 150 / 200 / 300 mm  
 3000-W: Height 150 / 300 mm  
 3000-Z: Height 100 / 150 / 200 / 300 mm  
 3000-AL: Height 100 / 150 mm  
 3000-CT: Height 100 / 150 / 200 mm

### Corner profiles L-profile

3000-W: Height 90 mm  
 3000-Z: Height 90 / 130 mm  
 3000-CT: Height 90 mm

## Wooden trim

A stylish cover made of real wood. For those who love natural wood but also want the functional benefits of metal lawn edging, we have developed wooden trim rails for our edging products. The wooden trim strips are made of durable larch and are placed on top of the metal edging. You can extend the individual strips using the plug connectors. The wooden trim strips measure 238 x 3 x 4 cm (l x w x h). To cover corner constructions, the wooden strips are mitred.

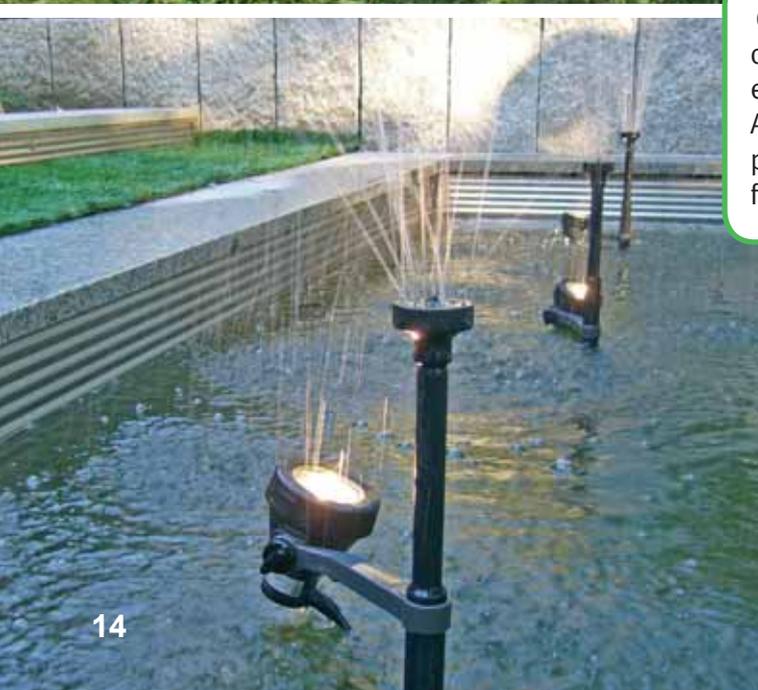
Tip: larch is a light-coloured, weatherproof type of wood. Given a varnish, it will become even more durable and can be adapted to your own desired colour.





## Garden pond Swimming pond

Gartenprofil 3000 is the perfect edging for garden, ornamental or swimming ponds. The profiles are an effective root barrier against the surrounding lawn. Additionally, the pond liner can be connected with the profiles. The result: a cleanly bordered pond including fixation for the pond liner.



Accessories

**Positioning bar**

The positioning bar, made of galvanised metal and including a guide pin, is a tool for positioning profiles in the desired shape and can be reused.



Length	Article no.
600 mm	GFS 600600
1000 mm	GFS 101000

**Connection plate**

When installing straight profiles in curved shapes, connection plates are used to strengthen the screw connection. They are slid beneath the rounded upper edge where the profiles overlap and then screwed on.

Height 100 mm: GVP 100050 (stainless steel), GVP-CT 100050 (corten steel)  
 Height 150, 200, 300 mm: GVP 150050 (stainless steel), GVP-CT 150050 (corten)



Height x Width	Article no.
100 x 40 mm	GVP 100050
150 x 40 mm	GVP 150050
100 x 40 mm	GVP-CT 100050
150 x 40 mm	GVP-CT 150050

**L-shaped angle bracket**

L-shaped angle bracket made of chrome steel (stainless steel 1.4016) with slots. The vertical face can be connected with any standard profile. The slots in the horizontal face are for additional ground fixation.

LW-S 100/125 for profile height 100 mm  
 LW-S 145/185 for profile height 150 mm und 300 mm  
 LW-S 200/130 for profile height 200 mm



Side length	Article no.
100 / 125 mm	LW-S 100/125
145 / 185 mm	LW-S 145/185
200 / 130 mm	LW-S 200/130

**Ground fixation**

Ground fixations made of galvanized metal with a clamp system to connect with the profiles. Used for additional stability e.g. when installing the profiles in gravel or for slope protection. May also to be used with steel strips.

GEA 604315 for profile height 100 mm  
 GEA 605400 and GEA 605750 for profile height 150, 200, 300 mm



Length	Article no.
315 mm	GEA 604315
400 mm	GEA 605400
750 mm	GEA 605750

**Ground pegs for L-profile**

Galvanized pegs to fixate the L-profiles in the ground. One box contains 34 pcs. (length 29 cm / diameter 9 mm).



Diameter/Length	Article no.
9 mm / 290 mm	LP 9x290

**Plastic hammer**

Soft-faced hammer dead-blow without recoil. The handle is made of hickory wood. The hammer head is medium hard, made of wear-resistant, colorfast polyurethane.



Diameter/Length	Article no.
50 mm / 385 mm	GKH 500385

**Edge knocker**

The edge knocker is only suited for smaller projects, in case there is no plastic hammer available and a metal hammer is used to install the profiles.



Diameter/Height	Article no.
50 mm / 50 mm	GEH 600600

**High-grade steel care**

High-grade steel care for all stainless steel and chrome surfaces.



Aerosol can	Article no.
400 ml	GNP 400400

**Alignment tool**

Alignment toll (1 pair) to straighten out the edging after installation.



Alignment tool	Article no.
1 Paar	W01-A

## Installation

### Connect profiles

The profiles are overlapped by 2cm and screwed together. You must ensure that the overlap is correct so that there is a seamless transition between the two profiles. If straight profiles are being bent into a curved shape, connection plates should be used to reinforce the screw connection.

Minor defects during installation, e.g. a not completely straight line, slight bulging or a lateral offset at the overlap of the profiles, can be improved with the alignment tool.

For the screw connection, you need an hex key (Allen key, width 4) and an open end spanner (key width 10).



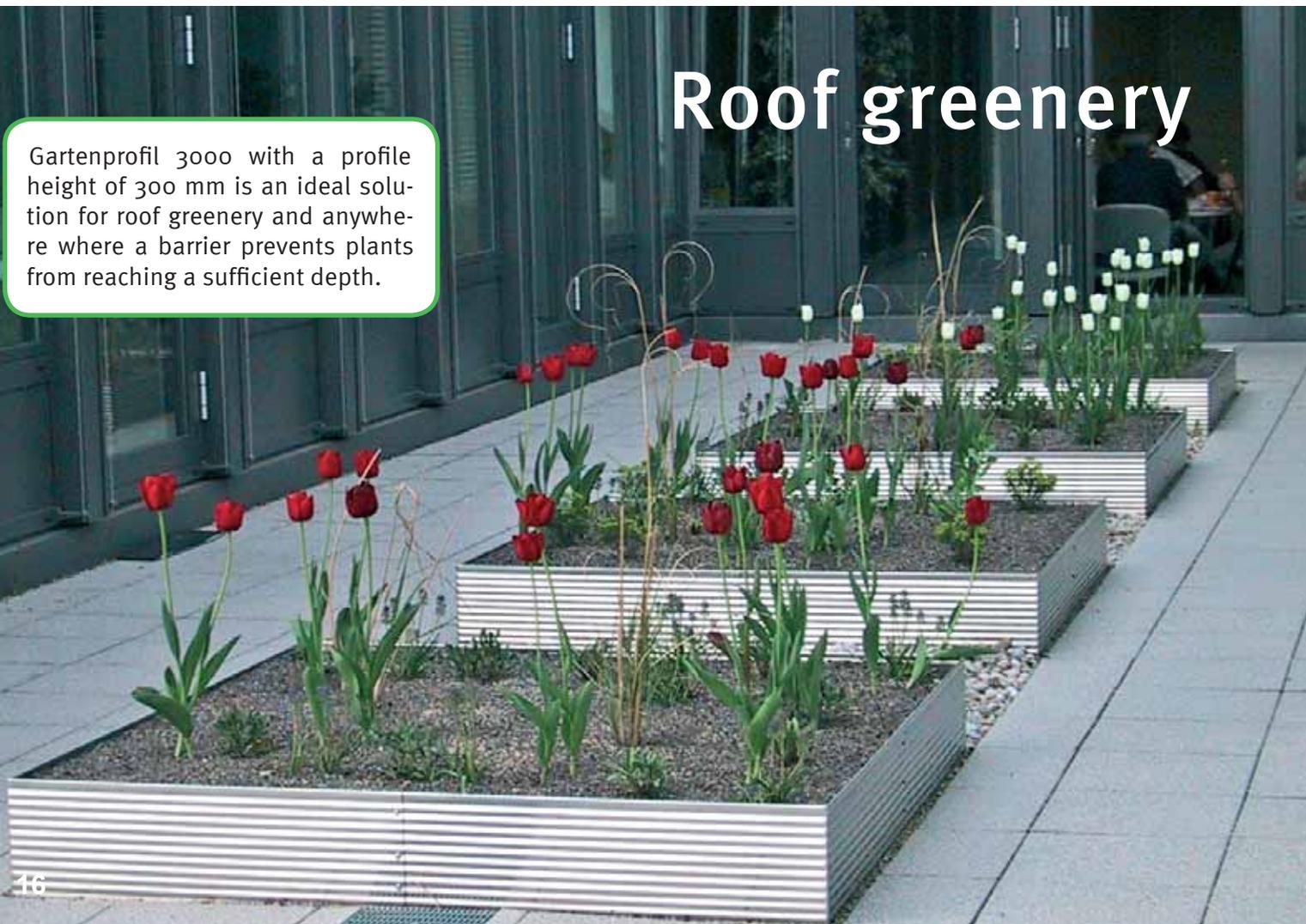
### Installation height / profile height

Used for lawn edging, profiles generally need to be sunk into the ground until around 2-4 cm is left showing, otherwise your lawn mower will not be able to move over it easily. At least half of the profile should be put into the ground so that the corrugated shape can provide stability. When using a profile with a height of 100 mm, we recommend always using ground fixation. A profile height of 150 mm is usually used for lawn or flower bed edging while a height of 200 mm is standard for path edging. For a raised bed, rooftop terrace or slope reinforcement, a height of 300 mm is recommended.



# Roof greenery

Gartenprofil 3000 with a profile height of 300 mm is an ideal solution for roof greenery and anywhere where a barrier prevents plants from reaching a sufficient depth.



## Installation options

### Retrofit installation

Make sure that profiles are put together in the shape desired and held in position using positioning bars. On natural grounds, we recommend pre-cutting the earth where the edging will be placed and removing stones and protruding roots. If the soil is hard and dry, you should soak it beforehand. To install the profiles, use a plastic hammer or the edge knocker (only suitable for small projects). Never directly hit the profile with a metal hammer as the metal abrasion can cause flash rusting.



### Customize profiles

Profiles can be shortened using an angle grinder and matching cut-off disc. To deburr the cut edge, use an 80-grit flap disc. With stainless steel, special INOX discs are used to avoid flash rusting. For galvanised profiles, you should re-galvanise the cut surfaces with a cold galvanising spray.

When working with a slope, apply a V cut until just under the rounded upper edge and bend the profile to the desired angle.



### Installation of curved shapes

The profiles with lengths of 180 cm and 240 cm can be bent into shape. When bending straight profiles into a curve, connection plates should be used where they overlap. These plates slide beneath the rounded upper edge and are screwed together with both profiles. This stops the upper edges from falling out of alignment.

If required, e.g. at tight curves, curved shapes can be fitted with ground fixation or concrete foundations for additional stability.



### Installation with ground fixation

Ground fixation is used when the corrugated shape of the profiles does not provide sufficient stability in the soil. Gravel paths and slopes are typical areas of application. When used for slope reinforcement, ground fixation captures the slope pressure and gives the profile additional stability. When using a profile with a height of 100 mm, we recommend always using ground fixation. To put the ground fixation in place, use an auger or hammer it directly into the ground.



### Installation in cement footings

Pavers are supported best by Gartenprofil 3000 and a one-sided rear support. For installations in gravel or grit, you can also use footings instead of ground fixation to provide stability for the profiles.

For paths that are heavily frequented or driveways, Gartenprofil 3000 is set in strip or individual footings to capture lateral pressure. On tarred surfaces, the tar is poured right up to the top of the profile so that the edge is passable.



In the Bad Oeynhausen spa gardens, the installation of the stainless steel profiles has resulted in decreased maintenance costs. In particular, it is now no longer necessary to manually cut off and trim the edges of the flower beds.



Gartenprofil 3000 has also contributed to a significant visual improvement of the entire garden. (Dirk Henschel, works director)

Spa gardens, Bad Oeynhausen

## Reference projects

The edging which was installed at the church forecourt of Oberschwappach was custom-made according to the architect's plan. Drop-shaped flower beds and paths are edged with Gartenprofil 3000.



Church forecourt, Oberschwappach

The vegetation in the five inner courtyards of the State Service Center in Linz was edged with Gartenprofil 3000. The rectangles and ellipses have a side length of up to 10 metres.



LDZ Linz, Austria

## Custom-made profiles

terra-S offers custom-made edging solutions for private garden owners as well as for public projects. With these special solutions, the profiles are produced precisely according to the architect's plan. Almost all shapes are possible. Also, the planning and manufacturing of city-, company- or family logos is done with great care to the fullest satisfaction.

We proactively support our customers in all phases of a project. On the building site, the metal edging only has to be screwed together.

Custom-made edging solutions are one of our strengths. terra-S can draw on years of experience and know-how.

## Remarks

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terra-S reserves the right to make changes concerning construction and materials due to technical progress. Therefore any pictures and product or article descriptions are not binding. Quality 3000-S corresponds to Nirosta® chrome steel material 1.4016, quality 3000-W corresponds to Nirosta® chrome-nickel steel material 1.4301, quality 3000-Z corresponds to galvanized steel DX51D+z275MA-C and quality 3000-AL corresponds to aluminium WG-B57S. Quality 3000-CT, terra-S Antikstahl, corresponds to material no. S355J2WP Coreen steel. Nirosta® is a registered trademark of ThyssenKrupp AG.

The material thickness of the stainless steel profiles is 1.5mm. Profiles in galvanized steel, corten steel and aluminium have a material thickness of 2mm.

The profiles are depending on the product line completely or partially corrugated. All profiles with a height of 100mm, 150mm and 200mm have a rounded top edge. Profiles with a height of 300mm have a rounded top and bottom edge. The width of the upper edge is 10mm.

Please take care in choosing the most suited material for the application planned. Depending on the chemical composition, each material of stainless steel differs regarding its resistance to corrosion. On request, Gartenprofil 3000 can be produced using other materials of stainless steel, e.g. chrome-nickel-molybden stainless steel material 1.4401.

Sales contracts with terra-S are subject to the General Conditions of terra-S GmbH. These General Conditions can be viewed on [www.gartenprofil3000.com](http://www.gartenprofil3000.com), or are sent to you in written form on formal request. Opposing purchase conditions are explicitly objected.



Leisure park Minimundus, Meckenbeuren



Cemetery, Sulzheim



Company logo Del Monte, Marktheidenfeld



Ministry of Trade and Economy, Madrid, Spain



Straight profile



Corner profile  
Inner and outer corner



Semi-circular profile  
Quater-circular profile



End profiles  
left and right

NEW!



Straight profile PRO

NEW!



Corner profile PRO  
Inner and outer corner



L-profile  
stable angular profile



Wooden trim



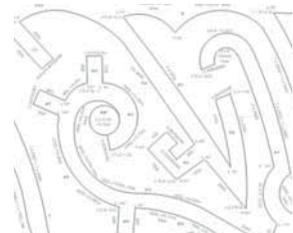
Connection plate



Ground fixation



Accessories



Custom-made edging

Visit our website for more information.

[www.gartenprofil3000.com](http://www.gartenprofil3000.com)

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